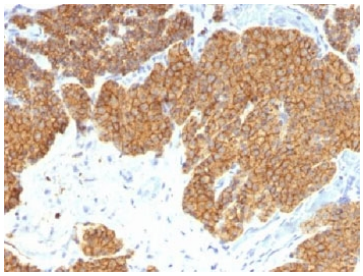
# Parathyroid Hormone Antibody / N-Terminal [clone 3H9] (V2806)

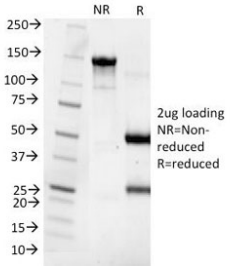
| Catalog No. | Formulation | Size |
|---|---|---|
| V2806-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2806-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2806SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2806IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | 3H9 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P01270 |
| **Localization** | Cytoplasmic and secreted |
| **Applications** | Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT |
| **Limitations** | This Parathyroid Hormone antibody is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human parathyroid stained with Parathyroid Hormone antibody (3H9).




SDS-PAGE Analysis of Purified, BSA-Free Parathyroid Hormone Antibody (clone 3H9). Confirmation of Integrity and Purity of the Antibody.

## Description

PTH is a hormone produced by the parathyroid gland that regulates the concentration of calcium and phosphorus in extracellular fluid. This hormone elevates blood Ca2+ levels by dissolving the salts in bone and preventing their renal excretion. It is produced in the parathyroid gland as an 84 amino acid single chain polypeptide. It can also be secreted as N-terminal truncated fragments or C-terminal fragments after intracellular degradation, as in case of hypercalcemia. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH); also called autosomal dominant hypoparathyroidism or autosomal dominant hypocalcemia. FIH is characterized by hypocalcemia and hyperphosphatemia due to inadequate secretion of parathyroid hormone. Symptoms are seizures, tetany and cramps. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.

## Application Notes

Optimal dilution of the Parathyroid Hormone antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Synthetic peptide corresponding to amino acids 1 to 34 of mature PTH was used as the immunogen for the Parathyroid Hormone antibody.

## Storage

Store the Parathyroid Hormone antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com